

Notice of Allowability

Application No.

10/615,895

Examiner

Yahveh Comas

Applicant(s)

JONES ET AL.

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/15/04.
2. ☒ The allowed claim(s) is/are 7,9,10,14 and 15.
3. ☒ The drawings filed on 30 April 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DARREN SCHUBERG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

DETAILED ACTION

Allowable Subject Matter

1. Claims 7,9,10,14 and 15 were allowed.
2. The following is an examiner's statement of reasons for allowance:

The Prior Art does not show alone or in combination a stator coil group for an electromotive machine comprising a plurality of first inner coils, each first inner coil having a pair of longitudinal sections, a pair of circumferential sections and a thickness, each of the longitudinal sections and the circumferential sections of the first inner coils being disposed at a first radial distance from a cylindrical axis, the longitudinal sections and circumferential sections of each first inner coil defining a substantially rectangular opening therein; and a plurality of second inner coils, each second inner coil having a pair of longitudinal sections, a pair of circumferential sections and a thickness, each of the longitudinal sections of the second inner coils being disposed at the first radial distance from the cylindrical axis and each of the circumferential sections of the second inner coils being disposed at a second radial distance from the cylindrical axis, the longitudinal sections and circumferential sections of each second inner coil defining a substantially rectangular opening therein, one of the longitudinal sections of each first inner coil being at least partially disposed in the rectangular opening of an adjacent one of the second inner coils and one of the longitudinal sections of each second inner coil being at least partially disposed in the rectangular opening of an adjacent one of the first inner coils, each of the first inner coils being in serial electrical communication with a respective one of the second inner coils to form a coil pair; a plurality of first outer coils,

each first outer coil having a pair of longitudinal sections, a pair of circumferential sections and a thickness, each of the longitudinal sections of the first outer coils being disposed substantially in contact with respective longitudinal sections of the first and second inner coils at a third radial distance from the cylindrical axis wherein the third radial distance exceeds the first radial distance, the longitudinal sections and circumferential sections of each first outer coil defining a substantially rectangular opening therein; and a plurality of second outer coils, each second outer coil having a pair of longitudinal sections, a pair of circumferential sections and a thickness, each of the longitudinal sections of the second outer coils being disposed substantially in contact with respective longitudinal sections of the first and second inner coils at the third real distance from the cylindrical axis, the longitudinal sections and circumferential sections of each second outer coil defining a substantially rectangular opening therein, one of the longitudinal sections of each first outer coil being at least partially disposed in the rectangular opening of an adjacent one of the second outer coils and one of the longitudinal sections of each second outer coil being at least partially disposed in the rectangular opening of an adjacent one of the first outer coils, each of the second outer coils being in serial electrical communication with one of the first inner coils, one of the second inner coils and one of the first outer coils to form a coil set.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

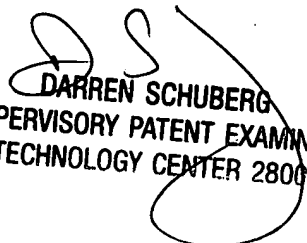
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yahveh Comas whose telephone number is (571)272-2020. The examiner can normally be reached on 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YC


DARREN SCHUBERG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800